

### Weekly Influenza Summary:

No laboratory-confirmed cases of influenza were reported to the Arizona Department of Health Services during the first seven weeks (weeks 40-46) of the 2008-2009 influenza season. The influenza-like-illness (ILI) rate was above the state baseline for weeks 44 and 45. However, the ILI rate for week 45 is based on data from fewer than 15 reporting sites through out the state.

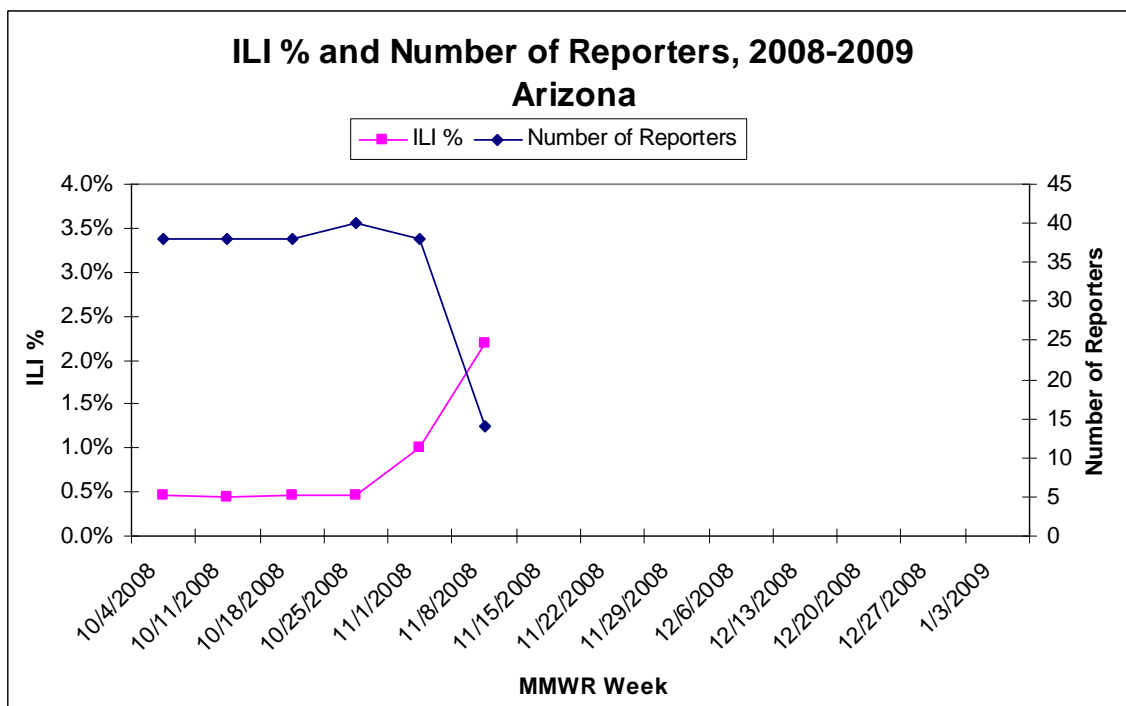
Data in this report are provisional and may change as more reports are received.

National influenza surveillance data are available at the CDC's Influenza Surveillance site (<http://www.cdc.gov/flu/weekly/fluactivity.htm>).

### Influenza-Like Illness (ILI) Surveillance from Sentinel Providers

The proportion of patient visits to sentinel providers for ILI in the state was 1.0% for the week ending 11/01/2008 (week 44) and 2.2% for the week ending 11/08/2008 (week 45). The ILI rate for week 44 was higher than the Arizona ILI baseline (0.5%), as well as for week 45. As of 11/17/08, 38 sentinel providers reported by the end of week 44 and 14 sentinel providers reported by the end of week 45. It is important to note that participation amongst sentinel providers significantly lessens during the summer months or during the non-peak influenza activity months. Therefore, the noted ILI proportion may not be representative for the entire state of Arizona during week 45.

ILI is defined as a fever of at least 100°F plus either a cough or a sore throat.

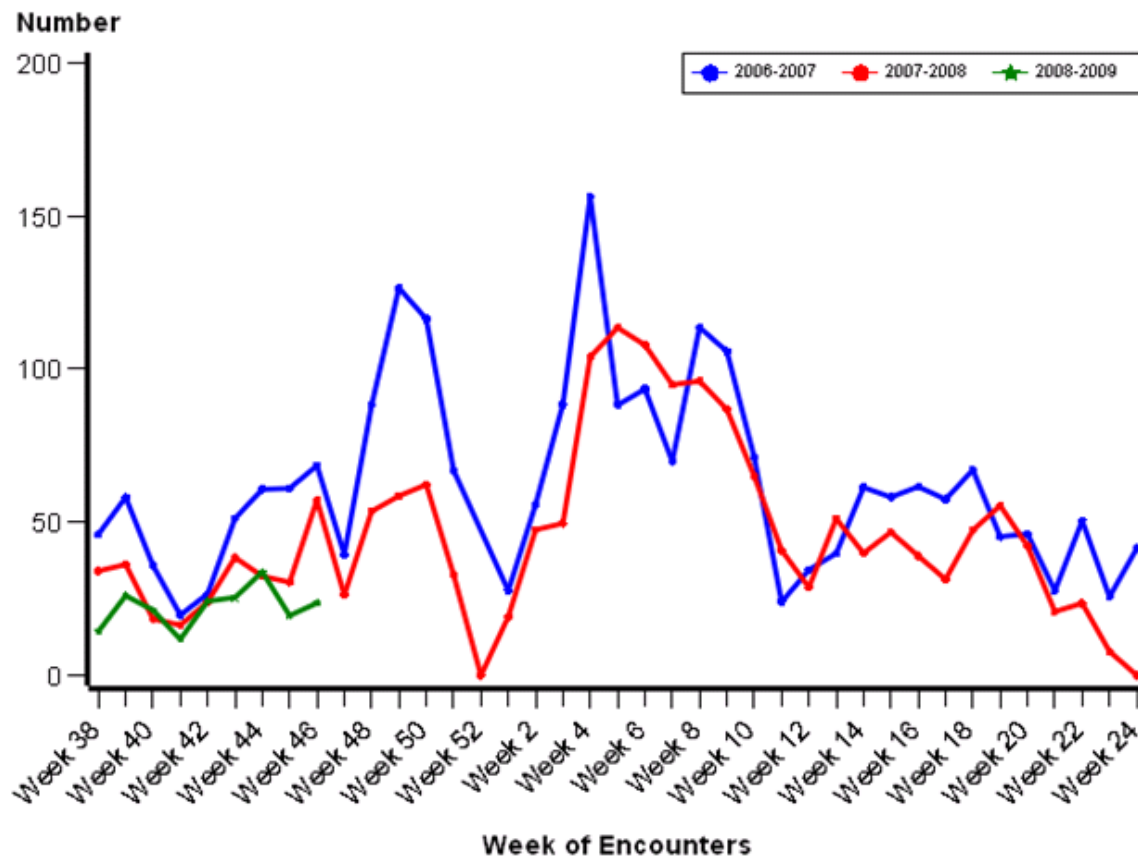


### Influenza-Like Illness (ILI) Surveillance from Participating Arizona Schools

ADHS and the Arizona School Nurse Consortium (AZSNC) developed and implemented a software program called Child Health Indicator Program (CHIP) to assist school nurses in electronic management of student health records. Currently, nurses in 331 Arizona schools use the software to collect information on student health conditions for 266 nursing diagnosis codes, including influenza-like illness (ILI), rash, and gastrointestinal illness (GI).

The graph presents the weekly trend of ILI syndromes reported among students during the school years of 2006-2007, 2007-2008, and 2008-2009. The number of school nurse encounters are not diagnosed cases of communicable diseases but are based on the nursing codes that school nurses enter to track student conditions. Also, the numbers in the graph are only from schools that used CHIP during the school year.

### Influenza-Like Illness Per School Enrollment in Arizona (per 100,000)



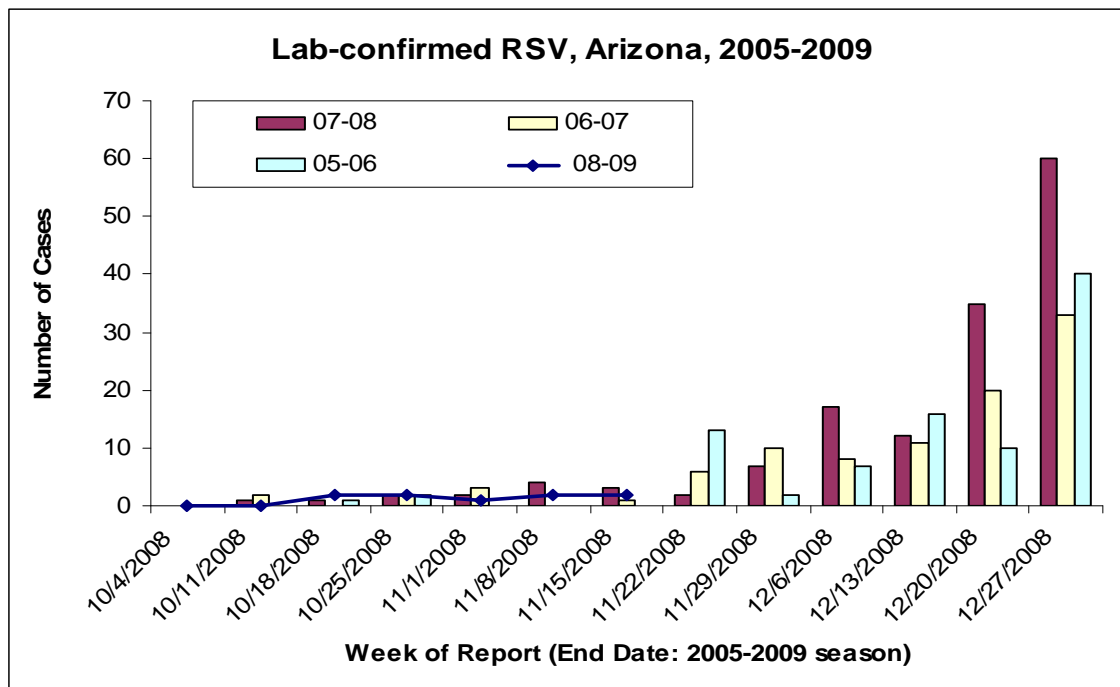
**RSV Activity in Arizona:**

As of 11/18/2008, 9 lab-confirmed cases were reported to ADHS during the 2008-2009 season. Of which, two cases were reported each of weeks 45 and 46.

**Lab-Confirmed RSV Cases Reported by County:**

Since October 2004, laboratories have been required to report positive RSV tests to ADHS.

County	Number of Laboratory-Confirmed Cases		
	2008-2009 Season	Last Week	Last 3 Weeks
Apache	0	0	0
Cochise	0	0	0
Coconino	0	0	0
Gila	0	0	0
Graham	0	0	0
Greenlee	0	0	0
La Paz	0	0	0
Maricopa	6	1	4
Mohave	3	1	1
Navajo	0	0	0
Pima	0	0	0
Pinal	0	0	0
Santa Cruz	0	0	0
Yavapai	0	0	0
Yuma	0	0	0
Unknown	0	0	0
<b>Total</b>	<b>9</b>	<b>2</b>	<b>5</b>

**Laboratory Surveillance:**

### RSV Activity by Age and Gender:

